

TNCM

Princess Juliana Intl

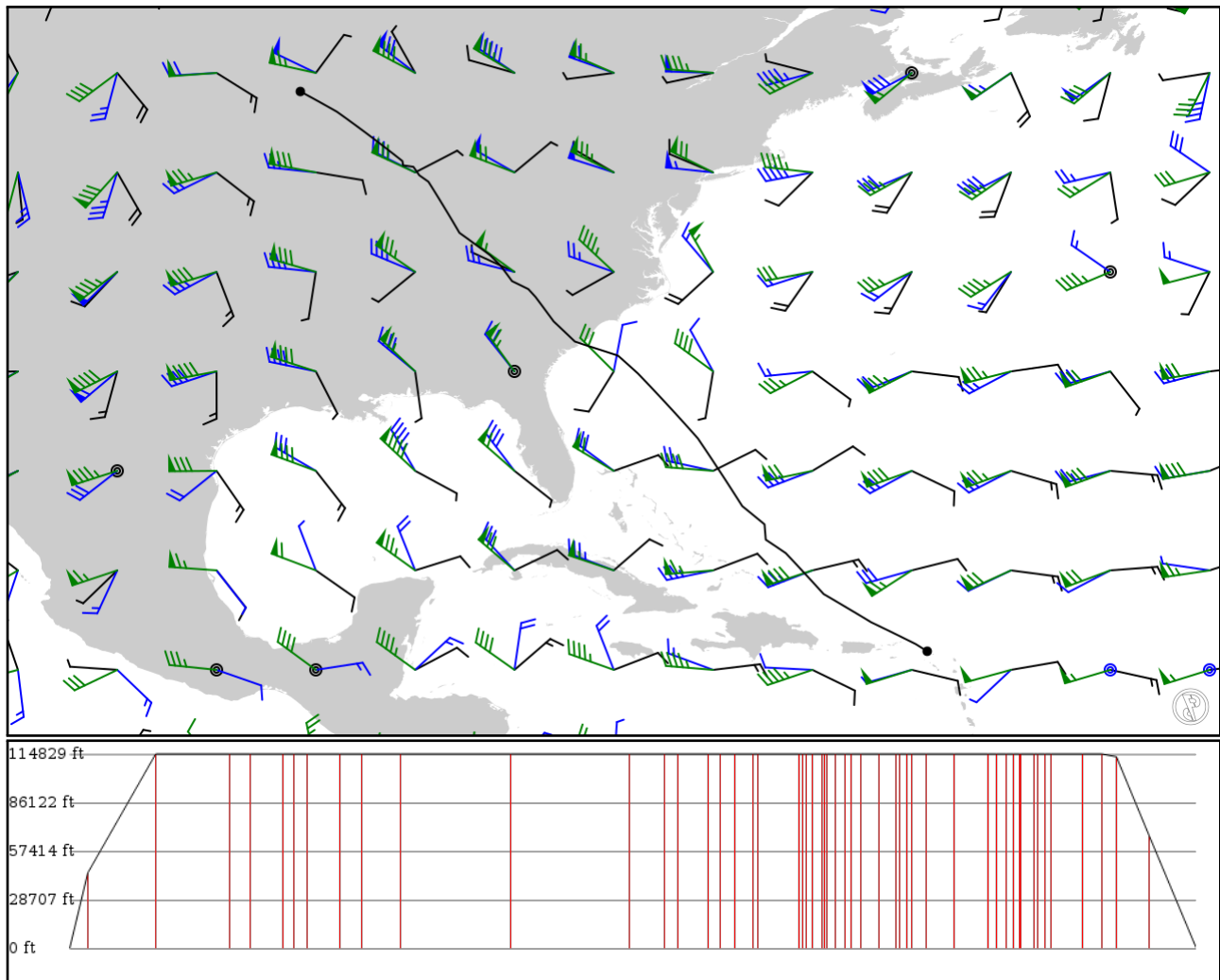
KMSP

Minneapolis-St Paul International Airport

2024/05/02 2202Z

TNCM SLUGO **L451** ELMUC **G431** LERUG DUNED **G431** JORGG **L452** SLUKA LETON **L451** JAINS **AR12** PITRW CHS **V53**
CAE **J47** SPA **V53** SUG **V185** SOT **V517** LOZ **V310** IIU **J89** BVT **V399** YIXCI **V128** KENLA **V24** EON **V171** JOT **J30**
ODI KMSP

2284.95 nm / 4231.72 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes

- Use low airways: yes
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
TNCM	-	18.04090	0 ft	-	Princess Juliana Intl
APT	-	-63.10890	0 m		
SLUGO	-	18.38940	13,600 ft	38	-
FIX	-	-63.66670	4,145 m		
FRATT	L451	19.43450	35,000 ft	136	-
FIX	AWY-HI	-65.80560	10,668 m		
ELMUC	L451	20.78390	35,000 ft	151	-
FIX	AWY-HI	-68.08320	10,668 m		
MYSTR	G431	21.31150	35,000 ft	41	-
FIX	AWY-HI	-68.56590	10,668 m		
LERUG	G431	22.12190	35,000 ft	64	-
FIX	AWY-HI	-69.31670	10,668 m		
DUNED	-	22.42760	35,000 ft	24	-
FIX	-	-69.60300	10,668 m		
CERDA	G431	22.74540	35,000 ft	25	-
FIX	AWY-HI	-69.90250	10,668 m		
JORGG	G431	23.39310	35,000 ft	65	-
FIX	AWY-HI	-70.86550	10,668 m		
SLUKA	L452	24.12680	35,000 ft	44	-
FIX	AWY-HI	-70.92350	10,668 m		
LETON	-	25.00000	35,000 ft	78	-
FIX	-	-71.99410	10,668 m		
ILIDO	L451	28.24460	35,000 ft	225	-
FIX	AWY-HI	-74.12390	10,668 m		
JAINS	L451	31.35560	35,000 ft	239	-
FIX	AWY-HI	-77.00000	10,668 m		
LURKS	AR12	32.21610	35,000 ft	71	-
FIX	AWY-HI	-77.96070	10,668 m		
SPIKY	AR12	32.37330	35,000 ft	26	-
FIX	AWY-HI	-78.43890	10,668 m		
PITRW	AR12	32.73700	35,000 ft	61	-
FIX	AWY-HI	-79.57310	10,668 m		
CHS	-	32.89430	35,000 ft	25	CHARLESTON
VOR	-	-80.03780	10,668 m		
GRECI	V53	33.26190	35,000 ft	29	-
FIX	AWY-LO	-80.42200	10,668 m		
ADCOM	V53	33.73270	35,000 ft	37	-
FIX	AWY-LO	-80.92070	10,668 m		
CAE	V53	33.85730	35,000 ft	10	COLUMBIA
VOR	AWY-LO	-81.05390	10,668 m		
SPA	J47	35.03360	35,000 ft	82	SPARTANBURG
VOR	AWY-HI	-81.92700	10,668 m		
CARTT	V53	35.14430	35,000 ft	8	-
FIX	AWY-LO	-82.02800	10,668 m		
OBURY	V53	35.21630	35,000 ft	5	-
FIX	AWY-LO	-82.09390	10,668 m		
SUG	V53	35.40650	35,000 ft	14	SUGARLOAF MT. (ASHEVILLE)
VOR	AWY-LO	-82.26860	10,668 m		
OZONE	V185	35.56180	35,000 ft	18	-
FIX	AWY-LO	-82.58380	10,668 m		
RIGEL	V185	35.61290	35,000 ft	5	-
FIX	AWY-LO	-82.68810	10,668 m		
MUMMI	V185	35.66350	35,000 ft	5	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	-82.79170	10,668 m		
SOT	V185	35.79010	35,000 ft	14	SNOWBIRD
VOR	AWY-LO	-83.05240	10,668 m		
WHINS	V517	36.09460	35,000 ft	21	-
FIX	AWY-LO	-83.27790	10,668 m		
TAMPI	V517	36.24620	35,000 ft	10	-
FIX	AWY-LO	-83.39100	10,668 m		
MIAMI	V517	36.55390	35,000 ft	21	-
FIX	AWY-LO	-83.62210	10,668 m		
LOZ	V517	37.03310	35,000 ft	37	LONDON
VOR	AWY-LO	-84.11010	10,668 m		
DOLLY	V310	37.40060	35,000 ft	32	-
FIX	AWY-LO	-84.60640	10,668 m		
UNCKL	V310	37.48140	35,000 ft	7	-
FIX	AWY-LO	-84.71630	10,668 m		
DARBY	V310	37.65430	35,000 ft	15	-
FIX	AWY-LO	-84.95340	10,668 m		
MAUDD	V310	37.78460	35,000 ft	11	-
FIX	AWY-LO	-85.13320	10,668 m		
IIU	V310	38.10350	35,000 ft	28	LOUISVILLE
VOR	AWY-LO	-85.57740	10,668 m		
KURTZ	J89	38.97220	35,000 ft	57	-
FIX	AWY-HI	-86.09270	10,668 m		
MACES	J89	40.00370	35,000 ft	68	-
FIX	AWY-HI	-86.72300	10,668 m		
TORIO	J89	40.24910	35,000 ft	16	-
FIX	AWY-HI	-86.87600	10,668 m		
BVT	J89	40.55620	35,000 ft	20	BOILER (LAFAYETTE)
VOR	AWY-HI	-87.06940	10,668 m		
ERNEY	V399	40.70380	35,000 ft	12	-
FIX	AWY-LO	-87.27770	10,668 m		
YIXCI	V399	40.86650	35,000 ft	14	-
FIX	AWY-LO	-87.50890	10,668 m		
KENLA	V128	40.89630	35,000 ft	2	-
FIX	AWY-LO	-87.52960	10,668 m		
EON	V24	41.26960	35,000 ft	25	PEOTONE
VOR	AWY-LO	-87.79110	10,668 m		
OCEDO	V171	41.29280	35,000 ft	7	-
FIX	AWY-LO	-87.95020	10,668 m		
MEDAN	V171	41.34100	35,000 ft	15	-
FIX	AWY-LO	-88.28520	10,668 m		
JOT	V171	41.54640	35,000 ft	12	JOLIET
VOR	AWY-LO	-88.31840	10,668 m		
COTON	J30	42.31990	35,000 ft	64	-
FIX	AWY-HI	-89.31220	10,668 m		
BRIBE	J30	42.79830	35,000 ft	39	-
FIX	AWY-HI	-89.94040	10,668 m		
SIBER	J30	43.13470	34,500 ft	28	-
FIX	AWY-HI	-90.39270	10,516 m		
ODI	J30	43.91230	20,300 ft	66	NODINE
VOR	AWY-HI	-91.46750	6,187 m		
KMSP	-	44.88190	0 ft	95	Minneapolis-St Paul International Airport
APT	-	-93.22200	0 m		

KMSP

Region: UNITED STATES
Timezone: AMERICA/CHICAGO
Runways: 4

Elevation: 841 ft / 256 m
Location: 44.881900 -93.222000
Magnetic Var: 0.275 W

METAR

KMSP 022118Z 07008KT 9SM BKN015 OVC019 12/08 A2979 RMK AO2 T01170083

TAF

TAF AMD KMSP 022041Z 0221/0324 10010KT 4SM -DZ BR OVC015 TEMPO 0222/0302 6SM BR BKN025 FM030200 24005KT P6SM BKN04

Frequencies

DEP - 132.97 MHz - MINNEAPOLIS DEPARTURE	DEP - 125.75 MHz - MINNEAPOLIS DEPARTURE
DEP - 124.70 MHz - MINNEAPOLIS DEPARTURE	APP - 126.95 MHz - MINNEAPOLIS APPROACH
APP - 119.30 MHz - MINNEAPOLIS APPROACH	APP - 118.72 MHz - MINNEAPOLIS APPROACH
TWR - 126.70 MHz - MINNEAPOLIS TOWER	TWR - 123.95 MHz - MINNEAPOLIS TOWER
TWR - 123.67 MHz - MINNEAPOLIS TOWER	GND - 133.57 MHz - MINNEAPOLIS GROUND
GND - 127.92 MHz - MINNEAPOLIS GROUND	GND - 121.90 MHz - MINNEAPOLIS GROUND
GND - 121.80 MHz - MINNEAPOLIS GROUND	REC - 120.80 MHz - MINNEAPOLIS D-ATIS
REC - 135.35 MHz - MINNEAPOLIS D-ATIS	COM - 122.95 MHz - MINNEAPOLIS UNICOM
CLD - 133.20 MHz - MINNEAPOLIS CLEARANCE DELIVERY	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17	150 ft	8,008 ft	169.56	CONCRETE	0 ft	397 ft
	46 m	2,441 m	169.83		0 m	121 m
35	150 ft	8,008 ft	349.56	CONCRETE	0 ft	394 ft
	46 m	2,441 m	349.84		0 m	120 m
12L	150 ft	8,190 ft	121.42	CONCRETE	0 ft	397 ft
	46 m	2,496 m	121.69		0 m	121 m
30R	150 ft	8,190 ft	301.44	CONCRETE	203 ft	394 ft
	46 m	2,496 m	301.71		62 m	120 m
12R	200 ft	9,985 ft	121.42	CONCRETE	0 ft	1,194 ft
	61 m	3,043 m	121.70		0 m	364 m
30L	200 ft	9,985 ft	301.44	CONCRETE	0 ft	781 ft
	61 m	3,043 m	301.72		0 m	238 m
04	150 ft	11,118 ft	44.90	CONCRETE	1,660 ft	0 ft
	46 m	3,389 m	45.18		506 m	0 m
22	150 ft	11,118 ft	224.92	CONCRETE	0 ft	410 ft
	46 m	3,389 m	225.20		0 m	125 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12L	DME	IPJL	110.70 MHz	18 nm	-	-	813 ft
				33 km	-		813 m
12R	DME	IHKZ	110.30 MHz	18 nm	-	-	841 ft
				33 km	-		841 m
17	DME	ITJZ	110.95 MHz	18 nm	-	-	822 ft
				33 km	-		822 m
30L	DME	IMSP	110.30 MHz	18 nm	-	-	841 ft
				33 km	-		841 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
30R	DME	IINN	110.70 MHz	18 nm	-	-	813 ft
				33 km	-		813 m
35	DME	IBMA	110.95 MHz	18 nm	-	-	822 ft
				33 km	-		822 m
12L	LOC-ILS	IPJL	110.70 MHz	18 nm	121.43	-	841 ft
				33 km	121.70		841 m
12R	LOC-ILS	IHKZ	110.30 MHz	18 nm	121.44	-	841 ft
				33 km	121.71		841 m
30L	LOC-ILS	IMSP	110.30 MHz	18 nm	301.44	-	841 ft
				33 km	301.71		841 m
30R	LOC-ILS	IINN	110.70 MHz	18 nm	301.43	-	841 ft
				33 km	301.70		841 m
35	LOC-ILS	IBMA	110.95 MHz	18 nm	349.56	-	841 ft
				33 km	349.83		841 m
04	LOC-LOC	IAPL	109.30 MHz	18 nm	44.92	-	841 ft
				33 km	45.19		841 m
17	LOC-LOC	ITJZ	110.95 MHz	18 nm	169.56	-	841 ft
				33 km	169.83		841 m
22	LOC-LOC	ISIJ	110.50 MHz	18 nm	224.92	-	841 ft
				33 km	225.19		841 m
12L	GS	IPJL	110.70 MHz	10 nm	121.43	3.00	841 ft
				19 km	121.70		841 m
12R	GS	IHKZ	110.30 MHz	10 nm	121.44	3.00	841 ft
				19 km	121.71		841 m
30L	GS	IMSP	110.30 MHz	10 nm	301.44	3.00	841 ft
				19 km	301.71		841 m
30R	GS	IINN	110.70 MHz	10 nm	301.43	3.00	841 ft
				19 km	301.70		841 m
35	GS	IBMA	110.95 MHz	10 nm	349.56	3.00	841 ft
				19 km	349.83		841 m